

Message

**From:** Kraft, Andrew [Kraft.Andrew@epa.gov]  
**Sent:** 11/21/2018 6:51:20 PM  
**To:** Banks, Christopher@OEHA [Christopher.Banks@oeha.ca.gov]  
**CC:** Lavoie, Emma [Lavoie.Emma@epa.gov]; Thayer, Kris [thayer.kris@epa.gov]; Shams, Dahnish [Shams.Dahnish@epa.gov]; Soto, Vicki [Soto.Vicki@epa.gov]; Angrish, Michelle [Angrish.Michelle@epa.gov]; Kraft, Andrew [Kraft.Andrew@epa.gov]; Bahadori, Tina [Bahadori.Tina@epa.gov]  
**Subject:** RE: OEHA-NCEA webinar Nov. 27th  
**Attachments:** Phthalates protocol.pdf; Yost et al 2018.pdf; Yost et al 2018\_Supplemental information.pdf; Radke et al 2018.pdf; HAWC\_FAQ\_for\_assessment\_readers.docx; HAWC QUICK REFERENCE GUIDE.pdf

Hi Chris,

I wanted to follow up and let you know that I will be posting an agenda to the meeting invitation later this afternoon. Given the timing with the holiday, we likely won't be able to share any slides in advance of the webinar (hopefully the day before, but it might not be until Tuesday).

In addition, I wanted to send some materials for you to share with your group.

Attached to this email are two papers (1 was recently published and the other, which includes supplemental materials, has been accepted but is not yet online). These papers provide some examples of our systematic review methods as applied to phthalates exposure in animal toxicology and epidemiology studies. As we decided to focus the webinar on SR tools, I wanted to share these papers focusing more broadly on the application of our general approaches (which will not be covered in the webinar).

I have also attached two files on HAWC that were developed by our staff as instructional materials for new(er) users within NCEA. One includes FAQs, and the other provides step-by-step instructions on the basic uses of HAWC. These materials may be particularly useful for some of your less-seasoned users of HAWC. As these are just our internal documents, please don't share them outside of your group.

In addition, I am sharing a table of links to publicly available, online tutorials and instructions for some of the tools that we will be discussing next week. I have found the publication on SWIFT to provide a very good introduction to those literature prioritization tools. This table will also be attached to the invitation.

SWIFT		
Publication	<a href="https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-016-0263-z">https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-016-0263-z</a>	
SWIFT-Review	Website	<a href="https://www.sciome.com/swift-review/">https://www.sciome.com/swift-review/</a>
SWIFT-ActiveScreener	Website	<a href="https://www.sciome.com/swift-activescreener/">https://www.sciome.com/swift-activescreener/</a>
HAWC (EPA)		
Website	<a href="https://hawcprd.epa.gov">https://hawcprd.epa.gov</a>	
Tutorials	<a href="https://hawcprd.epa.gov/about/">https://hawcprd.epa.gov/about/</a>	
DistillerSR		
Website	<a href="https://www.evidencepartners.com/">https://www.evidencepartners.com/</a>	
DistillerSR quick-start tutorial	<a href="https://www.youtube.com/watch?v=0eoKEX1KIts">https://www.youtube.com/watch?v=0eoKEX1KIts</a>	
DistillerSR demonstration	<a href="https://www.youtube.com/watch?v=SOUYp5E0O4k">https://www.youtube.com/watch?v=SOUYp5E0O4k</a>	

Please let me know if you have any questions when you get a chance to look at the materials and agenda. Otherwise, I hope that you have a safe and enjoyable Thanksgiving with family and friends.

Best,  
Andrew

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Andrew Kraft, PhD  
Associate Director of Science  
U.S. EPA Integrated Risk Information System (IRIS) Program  
1200 Pennsylvania Avenue, N.W., Mail Code 8623R  
Washington, DC 20460  
Office: (202)564-0286  
Cell: (202)734-1420

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**From:** Banks, Christopher@OEHHA <Christopher.Banks@oehha.ca.gov>  
**Sent:** Tuesday, November 20, 2018 12:04 PM  
**To:** Kraft, Andrew <Kraft.Andrew@epa.gov>  
**Cc:** Lavoie, Emma <Lavoie.Emma@epa.gov>; Thayer, Kris <thayer.kris@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>  
**Subject:** RE: OEHHA-NCEA webinar Nov. 27th

Hi Andrew,

I can really only speak for myself (and perhaps my specific section), but here is my general strategy for lit searches.

I use HAWC to search for references in PubMed, and include/exclude references using the tools in HAWC. I also do a search in SCOPUS, and I export the results into Endnote. I then import the Endnote file into HAWC, so all the references are in one place. We are not really using any other methods to track references, and honestly systematic literature searches is something we have only just recently started doing, so we are not stuck in our ways and are open to any ideas to improve the process. I know others have used text-mining software to look for particular keywords, but I don't know anything beyond that.

I hope this is helpful. Thanks so much!

Chris

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**From:** Kraft, Andrew <Kraft.Andrew@epa.gov>  
**Sent:** Tuesday, November 20, 2018 8:24 AM  
**To:** Banks, Christopher@OEHHA <Christopher.Banks@oehha.ca.gov>  
**Cc:** Lavoie, Emma <Lavoie.Emma@epa.gov>; Thayer, Kris <thayer.kris@epa.gov>; Shams, Dahnish <Shams.Dahnish@epa.gov>  
**Subject:** RE: OEHHA-NCEA webinar Nov. 27th

Hi Chris,

We are in the final stages of planning for our upcoming webinar.

We are planning to send some materials for your information prior to the meeting (e.g., tutorials, etc.). We did have a few questions for you relating to literature identification to help focus our ppts:

How are you currently identifying literature?

- a. What resources are being used and how are those citations being stored?
- b. What databases are you searching?
- c. Is another method being used for tracking records other than citation?

I'm hoping to add a tentative agenda to the meeting invitation today or tomorrow. In the meantime, feel free to reach out with any updates, questions, etc.

Thank you and talk to you soon,  
Andrew

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**From:** Banks, Christopher@OEHHA <[Christopher.Banks@oehha.ca.gov](mailto:Christopher.Banks@oehha.ca.gov)>  
**Sent:** Monday, November 05, 2018 12:26 PM  
**To:** Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>  
**Cc:** Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Shams, Dahnish <[Shams.Dahnish@epa.gov](mailto:Shams.Dahnish@epa.gov)>  
**Subject:** RE: OEHHA-NCEA webinar Nov. 27th

Hi Andrew,

I've talked with staff here, so I think I have a general idea of what our various needs are.

At the moment, we are really only using systematic review tools in our literature searches, so this is where our biggest need is. Although some staff members do have familiarity with HAWC and SWIFT, I think it will be a good idea to do a basic overview of these programs for the folks who have never used them before, in addition to a more in-depth look at how these tools are used. An overview of the spectrum of tools would be great, as I'm sure many of us are not fully aware of all the tools that are available.

Other staff had requested a deeper dive about how these tools can be used for study prioritization and selection for dose-response analysis. They wanted to know if there are methods to rank studies and how systematic review tools can increase efficiency in determining the most suitable studies for risk assessment. Based on the outline you provided, they suggested de-emphasizing the assessment-specific examples of evidence mapping and development of literature inventories (discussion of Qlik and Tableau) if time is needed to more thoroughly discuss tools for study prioritization. I personally know nothing about Qlik or Tableau, so I don't know how useful they may be to us (for all I know they could be very useful).

Everyone seemed to really like the idea of the PFBS case study to see how the tools are used for a real assessment, so there is high interest in this. Also, one other suggestion was to discuss how these software can help us speed up the systematic review process. We will often have a single person working on a risk assessment, so any tips on how to make the process more efficient and less time-consuming would be greatly appreciated.

Thanks so much for putting this together for us. Hopefully these suggestions are helpful, and we are all looking forward to this seminar. Please let me know if there is anything else you need from us.

Thanks again

Chris

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**From:** Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>  
**Sent:** Tuesday, October 30, 2018 1:12 PM  
**To:** Banks, Christopher@OEHHA <[Christopher.Banks@oehha.ca.gov](mailto:Christopher.Banks@oehha.ca.gov)>  
**Cc:** Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Shams, Dahnish

<Shams.Dahnish@epa.gov>

**Subject:** RE: OEHHA-NCEA webinar Nov. 27th

Don't worry, Chris, we are planning the BMDS training/scheduling from our end, so you only will need to forward to relevant OEHHA folks. I am cc'ing Dahnish- you should hear from him shortly.

And, thanks in advance for the information on the bullets below for the systematic review webinar.

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**From:** Banks, Christopher@OEHHA [<mailto:Christopher.Banks@oehha.ca.gov>]

**Sent:** Tuesday, October 30, 2018 1:30 PM

**To:** Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>

**Cc:** Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>

**Subject:** RE: OEHHA-NCEA webinar Nov. 27th

Hi Andrew,

Wow, this sounds great, and I'm sure it will be extremely helpful and informative! Let me ask around the different sections here at OEHHA to get an idea of what each group's specific needs are, and I will send that information along to you ASAP. We really appreciate all your help and we're really looking forward to this seminar! Thanks so much!

Chris

PS. I was informed this morning that I am now in charge of coordinating the upcoming BMDS training with US EPA, so you'll probably be hearing from me somewhat frequently in the coming weeks.

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**From:** Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>

**Sent:** Tuesday, October 30, 2018 9:30 AM

**To:** Banks, Christopher@OEHHA <[Christopher.Banks@oehha.ca.gov](mailto:Christopher.Banks@oehha.ca.gov)>

**Cc:** Lavoie, Emma <[Lavoie.Emma@epa.gov](mailto:Lavoie.Emma@epa.gov)>; Thayer, Kris <[thayer.kris@epa.gov](mailto:thayer.kris@epa.gov)>; Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>

**Subject:** OEHHA-NCEA webinar Nov. 27th

Hi Chris,

Today, our group started brainstorming about the webinar planned for next month and I wanted to ask a few questions/provide some information.

- To better focus the content of the webinar, can you please let me know the ways in which OEHHA is currently incorporating systematic review principles or tools in your human health assessment work? Also, if you see particular areas where you are having difficulties in application, or where you see a real need for approaches or efficiencies, that would be helpful as well.
  - You had mentioned an interest in the SWIFT platform; while we will include some content on SWIFT during the webinar, I also wanted to share a publication that lays out a bit of the 'how it works':  
<https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-016-0263-z>
  - Based on our brainstorm, we were thinking, in broad strokes, about the following potential topic areas- can you please let us know if these specific items do/do not sound useful to discuss? We focused on tools and assessment-specific applications, rather than general overviews of our approaches, but we can also shift towards the latter if preferred.
    - Overview of the spectrum of tools we use in-house and how they interact/flow from one assessment step to the next, as well as why we prefer particular tools for particular applications over other options.
- [~15 min]

- A bit of a deeper dive on SWIFT review and SWIFT active for literature screening and prioritization, with the option of a live demo, if there is interest [~20 min]
- A brief introduction to templates and forms we have developed in HAWC (health assessment workplace collaborative) and Distiller for study screening, data extraction, and figures development [~15 min]
- Description of some of the modularity available in HAWC, current near-term projects, and updates to the HERO database [~15 min]
- An assessment-specific example (a readiness, proof-of-concept, exercise we conducted in-house) of efficient literature screening (i.e., using SWIFT and Distiller to move very rapidly from a focused assessment question to a short-list of tagged, most relevant studies for review) [~20 min]
- Assessment-specific examples of evidence mapping and the development of literature inventories for prioritization or decision-making (e.g., discussion of Qliq and Tableau) [~15 min]
- PFBS health effect example walkthrough of methods and tools to move from the identified relevant studies to hazard identification and dose-response analysis
  - Epidemiology study evaluation and tools/templates [~20 min]
  - Animal toxicology study evaluation and tools/templates [~15 min]
  - Evidence integration across lines of evidence and display templates [~20 min]
  - Study prioritization and selection for dose-response analysis [probably not time for a deep dive, but maybe just a brief, 5-min, overview of how we transition from evidence integration to dose-response analysis]
- We are also thinking to leave about an hour (including discussion) for OEHHA to walk through how you are applying SR in your assessments (including discussion); does this sound like the right balance? Maybe OEHHA should go first so that we can on-the-fly (unless you can share something beforehand) discuss how what we are describing might be applied to your methods/needs?

I hope to send some additional materials and an updated agenda after some back and forth emails with you and others at OEHHA.

Separately, as a reminder, we are setting up a webinar on BMDS 3.0 with OEHHA and TCEQ within the next month or two, so please be on the lookout for a doodle poll or something similar (probably not from me 😊).

Thanks, and I hope that all is well on the West coast.

-Andrew

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Andrew Kraft, PhD  
 Associate Director of Science  
 U.S. EPA Integrated Risk Information System (IRIS) Program  
 1200 Pennsylvania Avenue, N.W., Mail Code 8623R  
 Washington, DC 20460  
 Tel: (202)564-0286